THE

LARYNGOSCOPE

AN INTERNATIONAL MONTHLY JOURNAL
ON DISEASES OF THE

EAR-NOSE-THROAT

FOUNDED IN 1896 BY
DR. M. A. GOLDSTEIN, ST. LOUIS

VOLUME LXXVII — January-December, 1967

DR. THEO. E. WALSH, ST. LOUIS
EDITOR

PUBLISHED BY THE LARYNGOSCOPE
222 PINE LAKE RD. - COLLINSVILLE, ILLINOIS 62234, U.S.A.

INDEX

SUBJECTS

A

Abnormally Patent Eustachian Tubes: Treatment with Injection of Polytetrafluoroethylene (Teflon) Paste. — Pulec, J. L. ..1543

Acoustically-Evoked Potentials in Man: Mediation of Early Components — Ruhm, H.; Walker, E., Jr., and Flanigin, H. 806

Acute Epiglottitis in Children. — Baxter, J. D. 1358

Adenocarcinoma of the Larynx. — Toomey, J. M. 931

Adenosine Triphophatase Activity, Evaluation of, in the Stria Vascularis and Spiral Ligament of Guinea Pigs — Iinuma, T. 141

Advantages in the Use of Esophageal Speech by a Laryngectomee — Shanks, J. C. 239

Air Passages. Upper, Cylindroma (Adenoid Cystic Carcinoma) of the, Two Case Reports — Hair, G. E. 1714

A Method of Examination of the Larynx Through a Suspension Laryngoscope, Using a Bronchoscopic Telescope — Kuhn, A. J...252

Anesthesia for Endoscopic Laryngeal Surgery — Hauser, I. J., and Brown, E. M. 744

Aneurysm of the Internal Carotid Artery. Report of a Case — Danforth, H. B. 1875

Angiography in Otolaryngology — Allen, G. W. 1909

A New Instrument for Mediastinoscopy — Tucker, J. A. 2050

A New Technique for Closed Fenestration in Inoperable Oval Window Lesions. A Preliminary Report — Goodhill, V. 1255

Angiofibromata, Diagnosis of Nasopharyngeal, by Carotid Arteriography — Cherry, J., and Adamkiewicz, J. J. 359

Ankylosis of the Temporomandibular Joint. Report of Fifteen Cases — Joo, Y. J., and Kinnman, J. 2008

Antrum. Cylindroma of the Right Maxillary, Case Report — Bassilios, M. I.; Ramm, C.; Jarmolych, J., and Goffin, F. B. 365

Arterial Perfusion of the Inner Ear. Evaluation of Different Perfusion Media — Costa, O. A., and Thalmann, R. 850

ATP-Hydrolyzing System, Possible Effects of Various Ototoxic Drugs Upon the, in the Stria Vascularis and Spiral Ligament of the Guinea Pig — Iinuma, T; Mizukoshi, M., and Daly, J. F. ..159

Atrophy: Cerebral, a cause of Vertigo — Walker, E. A. 771

Atypical Mycobacterial Infections of the Neck — Olson, N. R. 1376

Auditory Changes Following Vestibular Nerve Section — Goffin, F. B. 1003

Auditory Nerve Action Potentials in Man. Non-Surgical Recording of — Yoshie, N.; Ohashi, T., and Suzuki, T. T.....76

Autogenous Transplantation of the the Canine Larynx — Takenouchi, S.; Ogura, J. H.; Kawasaki, M., and Yagi, M. 1644

Autografts in Tympanic Surgery. Functional Viability of Tragal Cartilage — Harris, I., and Goodhill, V. 1191

Automatic Repetitive Decompression of the Saccule in Endolymphatic Hydrops (Tack Operation). Preliminary Report — Cody, D. T. R.; Simonton, K. M., and Hallberg, O. E. 1480

B

Biochemical and Circulatory Aspects of Wound Healing and Scar Formation — Currier, W. D. 1668

Bone-Conduction Thresholds. The Standardization of — Studebaker, G. A. 823

Bone. Frontal, Osteomyelitis of the — Bordley, J. E., and Bischofberger, W. 1234

C

Caloric Test. Ocular Fixation and the — Hart, C. W. 2103

Caloric Test, the, Secondary Phase Nystagmus — Milojevic, B., and Allen, T. 187

Cancer, Head and Neck. The Importance of the Follow Up Visit in the Treatment of — Kolson, H. 16

Cancer of the Larynx. End Results Report of 106 Cases Using the Clinical Staging System — Spencer, J. T. 962

Cancer of the Larynx. The Addition of a Metallic Marker to a Laryngogram to Determine Subglottic Extension in — Shumrick, D. A. 417

Cancer of the Larynx. The Subtotal Operation in the Treatment of — Sekula, J. 1996

Carcinoma, Radical Re-irradiation for, Arising from the Previously Irradiated Larynx — Wang, C. C. 2189

Cell Free Filtrate Transplantation of Human Laryngeal Papilloma to Dogs — Resler, D. R., and Snow, J. B., Jr. 397

Cerebellar Nodulus, Relationships of the, To Vestibular Function: A Study of the Effects of Nodulectomy on Habituation. — Singleton, G. T. 1579

Cerebral Atrophy: A Cause of Vertigo — Walker, E. A. 771

Cerebrospinal Fluid Otorrhea, Congenital, Via a Defect in the Stapes Footplate — Rice, W. J., and Waggoner, L. G. 341

Cerebro-Spinal Rhinorrhea, Diagnosis of, and the Rhinologic Approach to Its Repair — Briant, T. D. R., and Snell, D. 1390

Cervical Spine Fracture/Dislocation. Inter-Specialty Cooperation in the Stabilization of — Shumrick, D. A. 8

Chemodectomas of the Glomus Jugulare Tumors — Fuller, A. M.; Brown, H. A.; Harrison, E. G., Jr., and Siekert, R. G. 218

Cholesteatoma, Congenital, of the Temporal Bone — Kerr, A. G., and Smyth, G. D. L. 86

Cholesteatoma. The Transmeatal Approach to Middle Ear and Mastoid Surgery in — Lewis, M. L., Jr. 550

Cholesteatoma Matrix, Preservation of the, in the Modified Radical Mastoidectomy — Baron, S. H. 905

Chondrosarcoma of the Larynx — Brandenburg, J. H.; Harris, D. D., and Bennett, M. 752

Chronic Otitis Media in School Age Navajo Indians — Johnson, R. L. 1990

Circumscribed Labyrinthitis. Hilding, D. A.; Kornfeld, M., and House, W. F. 317

Cochlear Impairment, Tonal Patterns of, Following Intense Stimulation with Pure Tones — Suga, F.; Snom, J. B., Jr.; Preston, W. J., and Glomset, J. L. Jr. 784

Cochlear Otosclerosis. Report of a Case with Post Mortem Histologic Findings — Holleman, I. L., Jr., and Harrill, J. A. 493

Congenital Cerebrospinal Fluid Otorrhea Via a Defect in the Stapes Footplate — Rice, W. J., and Waggoner, L. G. 341

Congenital Cholesteatoma of the Temporal Bone — Kerr, A. G., and Smyth, G. D. L. 86

Congenital Cyst of the Larynx in Infants — Suehs, O. W., and Powell, D. B., Jr. 654

Congenital Pseudo-Mixed Deafness — Anderson, H., and Barr, B. 1825

Conservative Surgery for Chronic Maxillary Sinusitis — Bryant, F. L. 575

Correction of Vocal Cord Abduction in Unilateral Recurrent Laryngeal Nerve Paralysis by Transposition of the Sternohyoid Muscle. An Experimental Study in Dogs — Bernstein, L., and Holt, G. P. 876

Cranial Nerve, Preservation of XI, in Neck Dissections — Skolnick, E. M.; Tenta, L. T.; Wineinger, D. M., and Tardy, M. E., Jr. ..1304

Cryobiology of Blood Vessels. Some Observations on the — Mandeville, A. F., and McCabe, B. F. 1328

Cryosurgical Management of Glomus Jugulare Tumors — Lewis, J. S., and Cahan, W. G. 912

Cryosurgery in Otolaryngology. Further Experiences with — Hanckel, R. W. 544

Current Exploratory Work on Pressure Measurements in the Inner Ear — Harkins, W. B., and Yanof, H. M. 701

Cylindroma (Adenoid Cystic Carcinoma) of the Upper Air Passages. Two Case Reports — Hair, G. E. 1714

Cylindroma of the Right Maxillary Antrum. Case Report — Bassilios, M. I.; Ramm, C., Jarmolych, J., and Goffin, F. B. 365

Cyst, Congenital, of the Larynx in Infants — Suehs, O. W., and Powell, D. B., Jr. 654

Cysts of the Nasopharynx. — Guggenheim, P. 2147

Cysts, Paralaryngeal — Leonard, J. R.; Chambers, R. G., and Trail, M. L. 386

D

Deafness. Congenital Pseudo-Mixed — Anderson, H., and Barr,, B. 1825

Deafness: Meningitis and The Problem, Its Physical, Audiological, Psychological, and Educational Manifestations in Deaf Children — Vernon, M ..1856

Deglutition, The Rehabilitation of, Following Head and Neck Surgery — Trible, W. M. 518

Dental Otalgia — Stemmer, A. L...1155

Developing Enchondral Bone of the Otic Capsule. A Tetracycline Study (Guinea Pig) — Costa, O. A., and Covell, W. P. 281

Diabetes, Experimental. Inner Ear Pathology in — Costa, O. A. 68

Diagnosis of Cerebro-Spinal Rhinorrhea and the Rhinologic Approach to Its Repair — Briant, T. D. R., and Snell, D. 1390

Diagnosis of Nasopharyngeal Angiofibromata by Carotid Arteriography — Cherry, J., and Adamkiewicz, J. J. 359

Diagnostic Correlates in Fenestral Otosclerosis — Valvassori, G. E., and Naunton, R. F. 734

Dimensional Study of the Vestibular Apparatus — Igarashi, M. 1806

Disease, Ménière's — Is Surgery Really Necessary? — Fahey, D...918

Dural Replacement, Experimental, with Split-Thickness Skin — Miglets, A. W., Jr., and Saunders, W. H. 1028

E

Ear. Arterial Perfusion of the Inner: Evaluation of Different Perfusion Media — Costa, O. A., Thalmann, R. 850

Ear. Current Exploratory Work on Pressure Measurements in the Inner — Harkins, W. B., and Yanof, H. M. 701

Ear, Inner, Microcirculation and Fluid Physiology of the, Correlated with Ménière's Disease — Weille, F. L. 2063

Ear. Lizard, Tonal Differentiation in the — Wever, E. G. 1962

Ear, Nose, and Throat. Rare Tumors of the — Moore, W. T., and Arnold, G. E. 599

Ears. The Speech Discrimination Function in Loudness Recruiting — Schultz, M. C., and Streepy, C. S. 2114

Effects of Early Hypophysectomy on the Development of the Otic Capsule and Tympanic Bulla of Rats — Marovitz, W. F.; Berryhill, B. H., and Gregory, K. M...1818

Enchondral Bone, Developing, of the Otic Capsule. A Tetracycline Study (Guinea Pig) — Costa, O. A., and Covell, W. P. 281

Endaural Exposure, Postaural Versus, in Tympanoplasty — Jako, G. J. 2022

Endoscopic Laryngeal Surgery. Anesthesia for — Hauser, I. J., and Brown, E. M. 744

Endoscopy. Use of 4-Hydroxybutyrate to Facilitate — Shulman, M.; Sadove, M.; Solway, J., and Lewy, R. B. 102

Epiglottitis, Acute, in Children — Baxter, J. D. 1358

Episodic Vertigo in Vascular Dysfunction of the Vestibular Labyrinth — Wilson, W. H. 1089

Epistaxis: Management and Prevention — McDevitt, T. J.; Goh, A. S., and Acquarelli, M. J. ..1109

Epistaxis: Pathology of — Jacobson, P. 89

Epistaxis. Surgery for — Middleton, P. 1011

Esophageal Speech, Advantages in the Use of, by a Laryngectomee — Shanks, J. C. 239

Eustachian Tube Dysfunction. Hyporhinolalia Associated with — Landes, B. A. 244

Eustachian Tubes: Abnormally Patent Treatment with Injection of Polytetrafluoroethylene (Teflon) Paste — Pulec, J. L...1543

Evaluation of Adenosine Triphophatase Activity in the Stria Vascularis and Spiral Ligament of Normal Guinea Pigs — Iinuma, T. 141

Evaluation of an Autogenous Laryngeal Papilloma Vaccine — Shipkowitz, N. L.; Holper, J. C.; Worland, M. C., and Holinger, P. H. 1047

Evaluation of Facial Nerve Decompression in Experimental Facial Nerve Paralysis in Monkeys — Boyle, W. F. 1168

Experimental Dural Replacement with Split-Thickness Skin — Miglets, A. W., Jr., and Saunders, W. H. 1028

Experimental Tympanoplasty — Paparella, M. M. 1755

F

Facial Nerve Decompression, Evaluation of, in Experimental Facial Nerve Paralysis in Monkeys — Boyle, W. F. 1168

Facial Nerve. The Surgical Anatomy of the Ossicular Muscles and the — Anson, B. J.; Donaldson, J. A.; Warpeha, R. L., and Winch, T. R. 1269

Facial Nerve, Variations in the Course of the, as Illustrated by Tomography — Wright, J. W., Jr.; Taylor, C. C., and McKay, D. C. 717

Facial Spasm. With Special Reference to the Chorda Tympani Function and Operative Treatment — Diamant, H.; Enfors, B., and Wiberg, A. 350

Fenestral Otosclerosis. Diagnostic Correlates in — Valvassori, G. E., and Naunton, R. F. 734

Fenestration, Closed, A New Technique for, in Inoperable Oval Window Lesions. A Preliminary Report — Goodhill, V. 1255

Fetal Hearing Organs in Maternal Multiple Sclerosis — Kelemen, G. 1621

Fistula, Perilymph, in Stapes Surgery — Harrison, W. H.; Shambaugh, G. E., Jr.; Derlacki, E. L., and Clemis, J. D. 836

Fistulas. The Conductive Loss Phenomenon in Post-Stapedectomy Perilymphatic — Goodhill, V. 1179

4-Hydroxybutyrate, Use of, to Facilitate Endoscopy — Shulman, M; Sadova, M.; Solway, J., and Lewy, R. B. 102

Fractures of the Mandible. Management of — Bailey, B. J., and Gaskill, J. R. 1137

Functional Viability of Tragal Cartilage Autografts in Tympanic Surgery — Harris, I., and Goodhill, V. 1191

Further Experiences with Cryosurgery in Otolaryngology — Hanckel, R. W. 544

G

Gliomas Involving the Temporal Bone Clinical and Pathological Aspects — Nager, G. T. 454

Glomus Jugulare Tumors. Chemodectomas of the — Fuller, A. M.; Brown, H. A.; Harrison, E. G., Jr., and Siekert, R. G. 218

Glomus Jugulare Tumors. Cryosurgical Management of — Lewis, J. S., and Cahan, W. G. 912

Glomus Jugulare Tumors. Methods and Difficulties of Diagnosis and Surgical Treatment — Brown, J. S. 26

Granular-Cell Myoblastoma of the Larynx — Cracovaner, A. J., and Opler, S. R. 1040

H

Head and Neck Cancer. The Importance of the Follow Up Visit in the Treatment of — Kolson, H. 16

Head and Neck Lesions. Silverman Needle Biopsy in the Diagnosis of — Davis, G. L., and Sessions, D. G. 376

Head and Neck Surgery. The Rehabilitation of Deglutition Following — Trible, W. M. 518

Hearing Organs, Fetal, in Maternal Multiple Sclerosis — Kelemen, G. 1621

Hemitransfixion Approach to Problems of the Nasal Septum — Williams, R. I. 1116

Hodgkin's Disease of the Nasopharynx. Report of a Case — Ghossein, N. A., and Najjar, M. Y. 247

Homologous Grafts for Ossicular Reconstruction in Tympanoplasty — Smyth, G. D. L., and Kerr, A. G. 330

Hump Removal in Rhinoplasty. Study of — Wright, W. K. 508

Hydrops, Endolymphatic (Tack Operation). Automatic Repetitive Decompression of the Saccule in Preliminary Report — Cody, D. T. R.; Simonton, K. M., and Hallberg, O. E. 1480

Hypophysectomy, Effects of Early, on the Development of the Otic Capsule and Tympanic Bulla of Rats — Marovitz, W. F.; Berryhill, B. H., and Gregory, K. M. 1818

Hyporhinolalia Associated with Eustachian Tube Dysfunction — Landes, B. A. 244

Hypothyroidism, The Effects of, Upon the Ear, Nose and Throat. A Clinical and Experimental Study — Ritter, F. N. 1427

I

Infections, Atypical Mycobacterial, of the Neck — Olson, N. R. 1376

Injuries, Acute, of the Nasal Septum. The Management of — Jordan, L. W. 1121

Inner Ear Pathology in Experimental Diabetes — Costa, O. A. ..68

Intact Canal Wall Tympanoplasty with Mastoidectomy. A Review of Eight Years' Experience — Sheehy, J. L., and Patterson, M. E. 1502

Internal Carotid Artery. Aneurysm of the, Report of a Case — Danforth, H. B. 1875

Inter-Specialty Cooperation in the Stabilization of Cervical Spine Fracture/Dislocation — Shumrick, D. A. 8

Intracochlear Electrodes in Cats, Permanent, Tissue Tolerance and Cochlear Microphonics — Simmons, F. B. 171

Intracordal Injection of Teflon Paste. The Histological Response to — Toomey, J. M., and Brown, B. S. 110

Intratympanic Glomus Tumors — Diagnostic Work-Up and New Surgical Approach — Chandler, J. R. 562

Inverting Papillomata of the Nose and Sinuses — Cody, C. C. 584

Irradiation. Pre-Operative, The Intranuclear Tracer, Cell Viability, and — Goldman, J. L., and Friedman, W. H. 1315

L

Labyrinth. Vestibular, Episodic Vertigo in Vascular Dysfunction of the — Wilson, W. H. 1089

Labyrinthine Ossification. The Pathology of — Sugiura, S., and Paparella, M. M. 1974

Labyrinthitis. Circumscribed — Hilding, D. A.; Kornfeld, M., and House, W. F. 317

Laryngeal Nerve Paralysis, Correction of Vocal Cord Abduction in Unilateral Recurrent, by Transposition of the Sternohyoid Muscle. An Experimental Study in Dogs — Bernstein, L., and Holt, G. P. 876

Laryngeal Nerve. Results of Surgical Section and Repair of the Recurrent — Doyle, P. J.; Brummett, R. E., and Evers, E. C. ..1245

Laryngeal Papilloma, Cell Free Filtrate Transplantation of Human, to Dogs — Resler, D. R., and Snow, J. B., Jr. 397

Laryngeal Papilloma Vaccine. Evaluation of an Autogenous — Shipkowitz, N. L.; Holper, J. C.; Worland, M. C., and Holinger, P. H. 1047

Laryngeal Surgery. Anesthesia for Endoscopic — Hauser, I. J., and Brown, E. M. 744

Laryngectomee. Advantages in the use of Esophageal Speech by a — Shanks, J. C. 239

Laryngocele — Ferguson, G. B. ..1368

Larynx. Adenocarcinoma of the — Toomey, J. M. 931

Larynx, A Method of Examination of the, Through a Suspension Laryngoscope, Using a Bronchoscopic Telescope — Kuhn, A. J. ..252

Larynx. Autogenous Transplantation of the Canine — Takenouchi, S.; Ogura, J. H., Kawasaki, M., and Yagi, M. 1644

Larynx. Cancer of the, End Results Report of 106 Cases Using the Clinical Staging System — Spencer, J. T. 962

Larynx. Chondrosarcoma of the — Brandenburg, J. H.; Harris, D. D., and Bennett, M. 752

Larynx, Congenital Cyst of the, in Infants — Suehs, O. W., and Powell, D. B., Jr. 654

Larynx. Granular-Cell Myoblastoma of the — Cracovaner, A. J., and Opler, S. R. 1040

Larynx. Multiple Primary Malignant Tumors of the, A Case Report — Heiner, E. R. 1849

Larynx. Previously Irradiated, Radical Re-Irradiation for Carcinoma Arising from the — Wang, C. C. 2189

Larynx. The Subtotal Operation in the Treatment of Cancer of the — Sekula, J. 1996

Lesions. Head and Neck, Silverman Needle Biopsy in the Diagnosis of — Davis, G. L., and Sessions, D. G. 376

Lesions. Inoperable Oval Window, A New Technique for Closed Fenestration in A Preliminary Report — Goodhill, V. 1255

Lymphomatosum, Papillary Cystadenoma (Warthin's Tumor): A Multicentric Benign Tumor — Beck, L. D., and Maguda, T. A...1840

M

Management of Fractures of the Mandible — Bailey, B. J., and Gaskill, J. R. 1137

Mandible. Management of Fractures of the — Bailey, B. J., and Gaskill, J. R. 1137

Mastoidectomy. Intact Canal Wall Tympanoplasty with A Review of Eight Years' Experience — Sheehy, J. L., and Patterson, M. E. 1502

Mastoidectomy. Preservation of the Cholesteatoma Matrix in the Modified Radical — Baron, S. H. 905

Mastoiditis. Tuberculous — Fields, J. A. 489

Maxilla, Osteomyelitis of the, Due to an Anaerobic Organism. Case Report and Management — Himalstein, M. R. 559

Maxillary Sinus. Surgical Obliteration of the, A Clinical and Experimental Study — McNeill, R. A. 202

Mediastinoscopy. A New Instrument for — Tucker, J. A. 2050

Meltzer, Philip Edward, 1895-1967. In Memoriam 451

Ménière's Disease — Is Surgery Really Necessary? — Fahey, D. ..918

Ménière's Disease. Microcirculation and Fluid Physiology of the Inner Ear Correlated with — Weille, F. L. 2063

Ménière's Disease. The Caloric Reaction in An Electronystagmographical Study in 300 Patients — Stahle, J., and Bergman, B. 1629

Meningitis and Deafness: The Problem, Its Physical, Audiological, Psychological, and Educational Manifestations in Deaf Children — Vernon, M. ..1856

Meningitis Following Stapes Surgery. The Pathway of Spread to the Intracranial Cavity — Brown, J. S. 1295

Microcirculation and Fluid Physiology of the Inner Ear Correlated with Ménière's Disease — Weille, F. L. 2063

Middle Ear Posterior Tympanotomy. The Posterior Route to the — Jako, G. J. 306

Midline Cerebellar Syndrome. The Otologist and the — Stroud, M. H. 1795

Modified Osteoplastic Approach to the Frontal Bone, Sinuses, and/or the Orbit — Kirchner, F. R., and Robison, J. T. 1706

Multiple Primary Malignant Tumors of the Larynx. A Case Report — Heiner, E. R. 1849

Multiple Sclerosis. Pure Tone Thresholds in A Further Study — Dayal, V. S., and Swisher, L. P. 2169

Myoblastoma, Granular-Cell, of the Larynx — Cracovaner, A. J., and Opler, S. R. 1040

Myringostomy by Use of a Fixed Prosthesis — Turner, J. L. 524

N

Nasal Septum. Hemitransfixion Approach to Problems of the — Williams, R. I. 1116

Nasal Septum. The Management of Acute Injuries of the — Jordan, L. W. 1121

Nasopharyngeal Angiofibromata, Diagnosis of, by Carotid Arteriography — Cherry, J., and Adamkiewicz, J. J. 359

Nasopharynx. Cysts of the — Guggenheim, P. 2147

Nasopharynx. Hodgkin's Disease of the, Report of a Case — Ghossein, N. A., and Najjar, M. Y. ..247

Neck. Atypical Mycobacterial Infections of the — Olson, N. R. ..1376

Neck Dissections. Preservation of XI Cranial Nerve in — Skolnik, E. M.; Tenta, L. T.; Wineinger, D. M., and Tardy, M. E., Jr. ..1304

Neurilemmoma of the Pharynx — Illiades, C. E., and Watson, F. 1

Non-Surgical Recording of Auditory Nerve Action Potentials in Man — Yoshie, N.; Ohashi, T., and Suzuki, T. 76

Nystagmus: Secondary Phase, The Caloric Test — Milojevic, B., and Allen, T. 187

Nystagmus Suppression, Release of, in Clinical Electronystagmography — Barber, H. O., and Wright, G. 1016

O

Ocular Fixation and the Caloric Test — Hart, C. W. 2103

Organ of Corti, Stria Vascularis and Macula Sacculi, Quantitative Histochemistry of the; of the Guinea Pig. I. Sampling Procedures and Analysis of Pyridine Nucleotides — Matschinsky, F. M., and Thalmann, R. ..292

Ossicular Reconstruction in Tympanoplasty. Homologous Grafts for — Smyth, G. D. L., and Kerr, A. G. 330

Ossicular Muscles and the Facial Nerve. The Surgical Anatomy of the — Anson, B. J.; Donaldson, J. A.; Warpeha, R. L., and Winch, T. R. 1269

Ossification. The Pathology of Labyrinthine — Sugiura, S., and Paparella, M. M. 1974

Osteomyelitis of the Frontal Bone — Bordley, J. E., and Bischofberger, W. 1234

Osteomyelitis of the Maxilla Due to an Anaerobic Organism. Case Report and Management — Himalstein, M. R. 559

Osteoplastic Approach, Modified, to the Frontal Bone, Sinuses, and/or the Orbit. Kirchner, F. R., and Robison, J. T. 1706

Otalgia, Dental — Stemmer, A. L. 1155

Otic Capsule and Tympanic Bulla of Rats. Effects of Early Hypophysectomy on the Development of the — Marovitz, W. F.; Berryhill, B. H., and Gregory, K. M. 1818

Otic Capsule. Developing Enchondral Bone of the, A Tetracycline Study (Guinea Pig) — Costa, O. A., and Covell, W. P. 281

Otitis Media, Chronic, in School Age Navajo Indians — Johnson, R. L. 1990

Otitis Media, Secretory, in Children: A Study of 540 Children — Draper, W. L. 636

Otolaryngology. Angiography in — Allen, G. W. 1909

Otologic Surgery. The Confrontation of Experimental and Clinical Experience in — Smyth, G. D. L.; Kerr, A. G., and Jones, J. H. 1684

Otological Practice. Radio-Isotope Brain Scanning in — Valergakis, F. E. G. 2178

Otorhinolaryngology — Surgical Records for, A Diagrammatic Approach — Strand, S. O. 1130

Otorrhea. Congenital Cerebrospinal Fluid, Via a Defect in the Stapes Footplate — Rice, W. J., and Waggoner, L. G. 341

Otosclerosis. Cochlear, Report of a Case with Post Mortem Histologic Findings — Holleman, I. L., Jr., and Harrill, J. A. 493

Otosclerosis. Diagnostic Correlates in Fenestral — Valvassori, G. E., and Naunton, R. F. 734

Otosclerosis — Sodium Fluoride in Therapy of, Does It Cause Atherosclerosis? — Baron, S. H. 1227

Otosclerosis Surgery. The Fistula Problem in — House, H. P. 1410

P

Papillary Cystadenoma Lymphomatosum (Warthin's Tumor): A Multicentric Benign Tumor — Beck, L. D., and Maguda, T. A. 1840

Papillomata, Inverting, of the Nose and Sinuses — Cody, C. C. 584

Paralaryngeal Cysts — Leonard, J. R.; Chambers, R. G., and Trail, M. L. 386

Pathology of Epistaxis — Jacobson, P. 89

Perforations: Tympanic, Safe or not? — Ruggles, R. L., and Koconis, C. A. 337

Perilymph Fistula in Stapes Surgery — Harrison, W. H.; Shambaugh, G. E., Jr.; Derlacki, E. L., and Clemis, J. D. 836

Petrositis. Tuberculous, A Case Report — Hiranandani, L. H. ..1723

Pharynx, Neurilemmoma of the — Illiades, C. E., and Watson, F. ..1

Philip Edward Meltzer, 1895-1967. In Memoriam 451

Polychondritis. Relapsing Report of a Case — Riggs, R. H., and Wilson, J. W., Jr. 534

Polytomography, The Surgical Correlation of X-ray Findings by, with Special Reference to Chronic Otitis — Kramer, B. M., and Kaseff, L. G. 1099

Possible Effects of Various Ototoxic Drugs Upon the ATP-Hydrolyzing System in the Stria Vascularis and Spiral Ligament of the Guinea Pig — Iinuma, T.; Mizukoshi, M., and Daly, J. F. 159

Permanent Intracochlear Electrodes in Cats, Tissue Tolerance and Cochlear Microphonics — Simmons, F. B. 171

Postaural Versus Endaural Exposure in Tympanoplasty — Jako, G. J. 2022

Post-Laryngectomy Care in the Middle Western United States — Knight, J. S. 763

Potentials, Acoustically-Evoked, in Man: Mediation of Early Components — Ruhm, H.; Walker, E., Jr., and Flanigin, H. 806

Preservation of XI Cranial Nerve in Neck Dissections — Skolnik, E. M.; Tenta, L. T.; Wineinger, D. M., and Tardy, M. E., Jr. 1304

Preservation of the Cholesteatoma Matrix in the Modified Radical Mastoidectomy — Baron, S. H. ..905

Prophylactic Antibiotics in Human Stapedectomy — Leonard, J. R. ..663

Prosthesis. Myringostomy by Use of a Fixed — Turner, J. L. 524

Pure Tone Thresholds in Multiple Sclerosis. A Further Study — Dayal, V. S., and Swisher, L. P. 2169

Q

Quantitative Histochemistry of the Organ of Corti, Stria Vascularis and Macula Sacculi of the Guinea Pig. I. Sampling Procedures and Analysis of Pyridine Nucleotides — Matschinsky, F. M., and Thalmann, R. ..292

R

Radical Re-Irradiation for Carcinoma Arising from the Previously Irradiated Larynx — Wang, C. C. 2189

Radioisotope Scanning of the Salivary Glands. A Preliminary Report — Gates, G. A., and Work, W. P. 861

Radio-Isotope Brain Scanning in Otological Practice — Valergakis, F. E. G. 2178

Rare Tumors of the Ear, Nose, and Throat — Moore, W. T., and Arnold, G. E. 599

Relationships of the Cerebellar Nodulus to Vestibular Function: A Study of the Effects of Nodulectomy on Habituation — Singleton, G. T. 1579

Release of Nystagmus Suppression in Clinical Electronystagmography — Barber, H. O., and Wright, G. 1016

Results of Surgical Section and Repair of the Recurrent Laryngeal Nerve — Doyle, P. J.; Brummett, R. E., and Evers, E. C. 1245

Rhinoplasty. Study of Hump Removal in — Wright, W. K. 508

Relapsing Polychondritis. Report of a Case — Riggs, R. H., and Wilson, J. W., Jr. 534

Rhinorrhea, Diagnosis of Cerebro-Spinal, and the Rhinologic Approach to Its Repair — Briant, T. D. R., and Snell, D. 1390

S

Saccule, Automatic Repetitive Decompression of the, in Endolymphatic Hydrops (Tack Operation). Rreliminary Report — Cody, D. T. R.; Simonton, K. M., and Hallberg, O. E. 1480

Salivary Glands. Radioisotope Scanning of the, A Preliminary Report — Gates, G. A., and Work, W. P. 861

Sarcoma Metastatic to the Tonsil. Case Report — Stern, R. 372

Sclerosis. Multiple, Fetal Hearing Organs in Maternal — Kelemen, G. 1621

Sclerosis. Multiple, Pure Tone Thresholds in, A Further Study — Dayal, V. S., and Swisher, L. P. 2169

Secondary Phase Nystagmus: The Caloric Test — Milojevic, B., and Allen, T. 187

Secretory Otitis Media in Children: A Study of 540 Children — Draper, W. L. 636

Silverman Needle Biopsy in the Diagnosis of Head and Neck Lesions — Davis, G. L., and Sessions, D. G. 376

Sinus, Frontal, Treatment of Traumatic Disease of the, by Adipose Implant Obliteration — Valenzela, C. 1695

Sinusitis. Conservative Surgery for Chronic Maxillary — Bryant, F. L. 575

Sodium Fluoride in Therapy of Otosclerosis — Does It Cause Atherosclerosis? — Baron, S. H. 1227

Some Observations on the Cryobiology of Blood Vessels — Mandeville, A. F., and McCabe, B. F. 1328

Sound. High Intensity, Vibrotactile Sensitivity of Deaf Children to — Nober, E. H. 2128

Spasm. Facial, With Special Reference to the Chorda Tympani Function and Operative Treatment — Diamant, H.; Enfors, B., and Wiberg, A. 350

Stapedectomy. Prophylactic Antibiotics in Human — Leonard, J. R. 663

Stapes Surgery. Meningitis Following, The Pathway of Spread to the Intracranial Cavity — Brown, J. S. 1295

Stapes Surgery, Perilymph Fistula in — Harrison, W. H.; Shambaugh, G. E., Jr.; Derlacki, E. L., and Clemis, J. D. 836

Stenosis, Traumatic, of the Trachea in Children — Novick, W. H. 1351

Study on Hump Removal in Rhinoplasty — Wright, W. K. 508

Subglottic Extension in Cancer of the Larynx. The Addition of a Metallic Marker to a Laryngogram to Determine — Shumrick, D. A. 417

Surgical Obliteration of the Maxillary Sinus. A Clinical and Experimental Study — McNeill, R. A. 202

Surgical Records for Otorhinolaryngology — A Diagrammatic Approach — Strand, S. O. 1130

Surgical Section and Repair of the Recurrent Laryngeal Nerve. Results of — Doyle, P. J.; Brummett, R. E., and Evers, E. C. ..1245

Surgery, Conservative, for Chronic Maxillary Sinusitis — Bryant, F. L. 575

Surgery for Epistaxis — Middleton, P. 1011

Surgery in Cholesteatoma. The Transmeatal Approach to Middle Ear and Mastoid — Lewis, M. L., Jr. 550

Surgery of the Internal Auditory Meatus. Development, Surgical Anatomy, and Surgical Techniques — Caparosa, R. J. 2077

Surgery. Otosclerosis, The Fistula Problem in — House, H. P. ..1410

Syndrome. Midline Cerebellar, The Otologist and the — Stroud, M. H. 1795

T

Teflon Paste. The Histological Response to Intracordal Injection of — Toomey, J. M., and Brown, B. S. 110

Temporal Bone. Congenital Cholesteatoma of the — Kerr, A. G., and Smyth, G. D. L. 86

Temporal Bone, Gliomas Involving the, Clinical and Pathological Aspects — Nager, G. T. 454

Temporomandibular Joint. Ankylosis of the Report of Fifteen Cases — Joo, Y. J., and Kinnman, J. 2008

The Addition of a Metallic Marker to a Laryngogram to Determine Subglottic Extension in Cancer of the Larynx — Shumrick, D. A. 417

The Caloric Reaction in Ménière's Disease. An Electronystagmographical Study in 300 Patients — Stahle, J., and Bergman, B. ..1629

The Conductive Loss Phenomenon in Post-Stapedectomy Perilymphatic Fistulas — Goodhill, V. ..1179

The Confrontation of Experimental and Clinical Experience in Otologic Surgery — Smyth, G. D. L.; Kerr, A. G., and Jones, J. H. 1684

The Effects of Hypothyroidism Upon the Ear, Nose and Throat. A Clinical and Experimental Study — Ritter, F. N. 1427

The Fistula Problem in Otosclerosis Surgery — House, H. P. ..1410

The Histological Response to Intracordal Injection of Teflon Paste — Toomey, J. M., and Brown, B. S. 110

The Importance of the Follow Up Visit in the Treatment of Head and Neck Cancer — Kolson, H. ..16

The Intranuclear Tracer, Cell Viability, and Pre-Operative Irradiation — Goldman, J. L., and Friedman, W. H. 1315

The Management of Acute Injuries of the Nasal Septum — Jordan, L. W. 1121

The Otologist and the Midline Cerebellar Syndrome — Stroud, M. H. 1795

The Pathology of Labyrinthine Ossification — Sugiura, S., and Paparella, M. M. 1974

The Posterior Route to the Middle Ear Posterior Tympanotomy — Jako, G. J. 306

The Rehabilitation of Deglutition Following Head and Neck Surgery — Trible, W. M. 518

The Speech Discrimination Function in Loudness Recruiting Ears — Schultz, M. C., and Streepy, C. S. 2114

The Standardization of Bone-Conduction Thresholds — Studebaker, G. A. 823

The Subtotal Operation in the Treatment of Cancer of the Larynx — Sekula, J. 1996

The Surgical Anatomy of the Ossicular Muscles and the Facial Nerve — Anson, B. J.; Donaldson, J. A.; Warpeha, R. L., and Winch, T. R. 1269

The Surgical Correlation of X-ray Findings by Polytomography, with Special Reference to Chronic Otitis — Kramer, B. M., and Kaseff, L. G. 1099

The Transmeatal Approach to Middle Ear and Mastoid Surgery in Cholesteatoma — Lewis, M. L., Jr. 550

Tonal Differentiation in the Lizard Ear — Wever, E. G. 1962

Tonal Patterns of Cochlear Impairment Following Intense Stimulation with Pure Tones — Suga, F.; Snow, J. B., Jr.; Preston, W. J., and Glomset, J. L., Jr. 784

Tonsil. Sarcoma Metastatic to the Case Report — Stern, R. 372

Trachea, Traumatic Stenosis of the, in Children — Novick, W. H. 1351

Transplantation, Autogenous, of the Canine Larynx — Takenouchi, S.; Ogura, J. H.; Kawasaki, M., and Yagi, M. 1644

Transplantation, Cell Free Filtrate, of Human Laryngeal Papilloma to Dogs — Resler, D. R., and Snow, J. B., Jr. 397

Traumatic Stenosis of the Trachea in Children — Novick, W. H. ..1351

Treatment of Traumatic Disease of the Frontal Sinus by Adipose Implant Obliteration — Valenzela, C. 1695

Tuberculous Mastoiditis — Fields, J. A. 489

Tuberculous Petrositis. A Case Report — Hiranandani, L. H. ..1723

Tumors. Glomus Jugulare, Chemodectomas of the — Fuller, A. M.; Brown, H. A.; Harrison, E. G., Jr., and Siekert, R. G. ..218

Tumors. Glomus Jugulare; Cryosurgical Management of — Lewis, J. S., and Cahan, W. G. 912

Tumors, Glomus Jugulare. Methods and Difficulties of Diagnosis and Surgical Treatment — Brown, J. S. 26

Tumors, Intratympanic Glomus — Diagnostic Work-Up and New Surgical Approach — Chandler, J. R. 562

Tumors, Multiple Primary Malignant, of the Larynx. A Case Report — Heiner, E. R. 1849

Tumors, Rare, of the Ear, Nose, and Throat — Moore, W. T., and Arnold, G. E. 599

Tympanic Perforations: Safe or Not? — Ruggles, R. L., and Koconis, C. A. 337

Tympanic Surgery. Functional Viability of Tragal Cartilage Autografts in — Harris, I., and Goodhill, V. 1191

Tympanoplasty. Experimental — Paparella, M. M. 1755

Tympanoplasty. Homologous Grafts for Ossicular Reconstruction in — Smyth, G. D. L., and Kerr, A. G. 330

Tympanoplasty, Intact Canal Wall, with Mastoidectomy. A Review of Eight Years' Experience — Sheehy, J. L., and Patterson, M. D. 1502

Tympanoplasty. Postaural Versus Endaural Exposure in — Jako, G. J. 2022

U

Use of 4-Hydroxybutyrate to Facilitate Endoscopy — Shulman, M.; Sadove, M.; Solway, J., and Lewy, R. B. 102

V

Vaccine. Evaluation of an Autogenous Laryngeal Papilloma — Shipkowitz, N. L.; Holper, J. C.; Worland, M. C., and Holinger, P. H. 1047

Variations in the Course of the Facial Nerve as Illustrated by Tomography — Wright, J. W., Jr.; Taylor, C. C., and McKay, D. C. 717

Vertigo, Episodic, in Vascular Dysfunction of the Vestibular Labyrinth — Wilson, W. H. 1089

Vestibular Apparatus. Dimensional Study of the — Igarashi, M. ..1806

Vestibular Function: Relationships of the Cerebellar Nodulus to, A Study of the Effects of Nodulectomy on Habituation — Singleton, G. T. 1579

Vestibular Nerve Section. Auditory Changes Following — Goffin, F. B. 1003

Vibrotactile Sensitivity of Deaf Children to High Intensity Sound — Nober, E. H. 2128

Vocal Cord Abduction, Correction of, in Unilateral Recurrent Laryngeal Nerve Paralysis by Transposition of the Sternohyoid Muscle. An Experimental Study in Dogs — Bernstein, L., and Holt, G. P. 876

W

Wound Healing and Scar Formation. Biochemical and Circulatory Aspects of — Currier, W. D. 1668

AUTHORS

A

ACQUARELLI, M. J.; MCDEVITT, T. J., and GOH, T. J. — Epistaxis: Management and Prevention ..1109

ADAMKIEWICZ, J. J., and CHERRY, J. — Diagnosis of Nasopharyngeal Augiofibromata by Carotid Arteriography 359

ALLEN, G. W. — Angiography in Otolaryngology 1909

ALLEN, T., and MILOJEVIC, B.—Secondary Phase Nystagmus: The Caloric Test 187

ANDERSON, H., and BARR, B. — Congenital Pseudo-Mixed Deafness 1825

ANSON, B. J.; DONALDSON, J. A.; WARPEHA, R. L., and WINCH, T. R. — The Surgical Anatomy of the Ossicular Muscles and the Facial Nerve 1269

ARNOLD, G. E., and MOORE, W. T. — Rare Tumors of the Ear, Nose, and Throat 599

B

BAILEY, B. J., and GASKILL, J. R. — Management of Fractures of Mandible 1137

BARBER, H. O., and WRIGHT, G. — Release of Nystagmus Suppression in Clinical Electronystagmography 1016

BARON, S. H. — Preservation of the Cholesteatoma Matrix in the Modified Radical Mastoidectomy 905

BARON, S. H. — Sodium Fluoride in Therapy of Otosclerosis — Does It Cause Atherosclerosis? 1227

BARR, B., and ANDERSON, H. — Congenital Pseudo-Mixed Deafness 1825

BASSILIOS, M. I.; RAMM, C.; JARMOLYCH, J., and GOFFIN, F. B. — Cylindroma of the Right Maxillary Antrum. Case Report 365

BAXTER, J. D. — Acute Epiglottitis in Children 1358

BECK, L. D., and MAGUDA, T. A. — Papillary Cystadenoma Lymphomatosum (Warthin's Tumor): A Multicentric Benign Tumor 1840

BENNETT, M.; BRANDENBURG, J. H., and HARRIS, D. D. — Chondrosarcoma of the Larynx 752

BERGMAN, B., and STAHLE, J. — The Caloric Reaction in Ménière's Disease. An Electronystagmographical Study in 300 Patients 1629

BERNSTEIN, L., and HOLT, G. P. — Correction of Vocal Cord Abduction in Unilateral Recurrent Laryngeal Nerve Paralysis by Transposition of the Sternohyoid Muscle. An Experimental Study in Dogs 876

BERRYHILL, B. H.; MAROVITZ, W. F., and GREGORY, K. M. — Effects of Early Hypophysectomy on the Development of the Otic Capsule and Tympanic Bulla of Rats 1818

BISCHOFBERGER, W., and BORDLEY, J. E. — Osteomyelitis of the Frontal Bone 1234

BORDLEY, J. E., and BISCHOFBERGER, W. — Osteomyelitis of the Frontal Bone 1234

BOYLE, W. F. — Evaluation of Facial Nerve Decompression in Experimental Facial Nerve Paralysis in Monkeys 1168

BRANDENBURG, J. H.; HARRIS, D. D., and BENNETT, M. — Chondrosarcoma of the Larynx 752

BRIANT, T. D. R., and SNELL, D. — Diagnosis of Cerebro-Spinal Rhinorrhea and the Rhinologic Approach to Its Repair 1390

BROWN, B. S., and TOOMEY, J. M. The Histological Response to Intracordal Injection of Teflon Paste 110

BROWN, E. M., and HAUSER, I. J. — Anesthesia for Endoscopic Laryngeal Surgery 744

BROWN, H. A.; FULLER, A. M.; HARRISON, E. G., JR., and SIEKERT, R. G. — Chemodectomas of the Glomus Jugulare Tumors ..218

BROWN, J. S. — Glomus Jugulare Tumors. Methods and Difficulties of Diagnosis and Surgical Treatment 26

BROWN, J. S. — Meningitis Following Stapes Surgery. The Pathway of Spread to the Intracranial Cavity 1295

BRUMMETT, R. E.; DOYLE, P. J., and EVERS, E. C. — Results of Surgical Section and Repair of the Recurrent Laryngeal Nerve 1245

BRYANT, F. L. — Conservative Surgery for Chronic Maxillary Sinusitis 575

C

CAHAN, W. G., and LEWIS, J. S. — Cryosurgical Management of Glomus Jugulare Tumors 912

CHAMBERS, R. G.; LEONARD, J. R., and TRAIL, M. L. — Paralaryngeal Cysts 368

CHANDLER, J. R. — Intratympanic Glomus Tumors — Diagnostic Work-Up and New Surgical Approach 562

CHERRY, J., and ADAMKIEWICZ, J. J. — Diagnosis of Nasopharyngeal Angiofibromata by Carotid Arteriography 359

CLEMIS, D. J.; HARRISON, W. H.; SHAMBAUGH, G. E., JR., and DERLACKI, E. L. — Perilymph Fistula in Stapes Surgery 836

CODY, C. C. — Inverting Papillomata of the Nose and Sinuses ..584

CODY, D. T. R.; SIMONTON, K. M., and HALLBERG, O. E. — Automatic Repetitive Decompression of the Saccule in Endolymphatic Hydrops (Tack Operation). Preliminary Report 1480

COSTA, O. A. — Inner Ear Pathology in Experimental Diabetes 68

COSTA, O. A., and COVELL, W. P. — Developing Enchondral Bone of the Otic Capsule. A Tetracycline Study (Guinea Pig). 281

COSTA, O. A., and THALMANN, R. — Arterial Perfusion of the Inner Ear. Evaluation of Different Perfusion Media 850

COVELL, W. P., and COSTA, O. A. — Developing Enchondral Bone of the Otic Capsule. A Tetracycline Study (Guinea Pig). 281

CRACOVANER, A. J., and OPLER, S. R. Granular-Cell Myoblastoma of the Larynx 1040

CURRIER, W. D. — Biochemical and and Circulatory Aspects of Wound Healing and Scar Formation 1668

D

DALY, J. F.; IINUMA, T., and MIZUKOSHI, O. — Possible Effects of Various Ototoxic Drugs Upon the ATP-Hydrolyzing System in the Stria Vascularis and Spiral Ligament of the Guinea Pig 159

DANFORTH, H. B. — Aneurysm of the Internal Carotid Artery. Report of a Case 1875

DAVIS, G. L., and SESSIONS, D. G. — Silverman Needle Biopsy in the Diagnosis of Head and Neck Lesions 376

DAYAL, V. S., and SWISHER, L. P. — Pure Tone Thresholds in Multiple Sclerosis. A Further Study 2169

DERLACKI, E. L.; HARRISON, W. H., SHAMBAUGH, G. E., JR., and CLEMIS, J. D. — Perilymph Fistula in Stapes Surgery 836

DIAMANT, H.; ENFORS, B., and WIBERG, A. — Facial Spasm. With Special Reference to the Chorda Tympani Function and Operative Treatment 350

DONALDSON, J. A.; ANSON, B. J.; WARPEHA, R. L., and WINCH, T. R. — The Surgical Anatomy of the Ossicular Muscles and the Facial Nerve 1269

DOYLE, P. J., BRUMMETT, R. E., and EVERS, E. C. — Results of Surgical Section and Repair of the Recurrent Laryngeal Nerve 1245

DRAPER, W. L. — Secretory Otitis Media in Children: A Study of 540 Children 636

E

ENFORS, B.; DIAMANT, H., and WIBERG, A. — Facial Spasm. With Special Reference to the Chorda Tympani Function and Operative Treatment 350

EVERS, E. C.; DOYLE, P. J., and BRUMMETT, R. E. — Results of Surgical Section and Repair of the Recurrent Laryngeal Nerve 1245

F

FAHEY, D. — Ménière's Disease — Is Surgery Really Necessary? ..918

FERGUSON, G. B. — Laryngocele ..1368

FIELDS, J. A. — Tuberculous Mastoiditis 489

FLANIGIN, H.; RUHM, H., and WALKER, E., JR. — Acoustically-Evoked Potentials in Man: Mediation of Early Components ..806

FRIEDMAN, W. H., and GOLDMAN, J. L. — The Intranuclear Tracer, Cell Viability, and Pre-Operative Irradiation 1315

FULLER, A. M.; BROWN, H. A.; HARRISON, E. G., JR., and SIEKERT, R. G. — Chemodectomas of the Glomus Jugulare Tumors ..218

G

GASKILL, J. R., and BAILEY, B. J. — Management of Fractures of the Mandible 1137

GATES, G. A., and WORK, W. P. — Radioisotope Scanning of the Salivary Glands. A Preliminary Report 861

GHOSSEIN, N. A., and NAJJAR, M. Y. — Hodgkin's Disease of the Nasopharynx. Report of a Case 247

GLOMSET, J. L., JR.; SUGA, F., SNOW, J. B., JR., and PRESTON, W. J. — Tonal Patterns of Cochlear Impairment Following Intense Stimulation with Pure Tones 784

GOFFIN, F. B. — Auditory Changes Following Vestibular Nerve Section 1003

GOFFIN, F. B.; BASSILIOS, M. I.; RAMM, C., and JARMOLYCH, J. — Cylindroma of the Right Maxilliary Antrum. Case Report 365

GOH, A. S.; MCDEVITT, T. J., and ACQUARELLI, M. J. — Epistaxis: Management and Prevention ..1109

GOLDMAN, J. L., and FRIEDMAN, W. H. — The Intranuclear Tracer, Cell Viability, and Pre-Operative Irradiation 1315

GOODHILL, V. — A New Technique for Closed Fenestration in Inoperable Oval Window Lesions. A Preliminary Report 1255

GOODHILL, V. — The Conductive Loss Phenomenon in Post-Stapedectomy Perilymphatic Fistulas 1179

GOODHILL, V., and HARRIS, I. — Functional Viability of Tragal Cartilage Autografts in Tympanic Surgery 1191

GREGORY, K. M.; MAROVITZ, W. F., and BERRYHILL, B. H. — Effects of Early Hypophysectomy on the Development of the Otic Capsule and Tympanic Bulla of Rats 1818

GUGGENHEIM, P. — Cysts of the Nasopharynx 2147

H

HAIR, G. E. — Cylindroma (Adenoid Cystic Carcinoma) of the Upper Air Passages. Two Case Reports 1714

HALLBERG, O. E.; CODY, D. T. R., and SIMONTON, K. M. — Automatic Repetitive Decompression of the Saccule in Endolymphatic Hydrops (Tack Operation). Preliminary Report 1480

HANCKEL, R. W. — Further Experiences with Cryosurgery in Otolaryngology 544

HARKINS, W. B., and YANOF, H. M. — Current Exploratory Work on Pressure Measurements in the Inner Ear 701

HARRILL, J. A., and HOLLEMAN, I. L., JR. — Cochlear Otosclerosis. Report of a Case with Post Mortem Histologic Findings ..493

HARRIS, D. D.; BRANDENBURG, J. H., and BENNETT, M. — Chondrosarcoma of the Larynx 752

HARRIS, I., and GOODHILL, V. — Functional Viability of Tragal Cartilage Autografts in Tympanic Surgery 1191

HARRISON, E. G., JR.; FULLER, A. M.; BROWN, H. A., and SIEKERT, R. G. — Chemodectomas of the Glomus Jugulare Tumors ..218

HARRISON, W. H.; SHAMBAUGH, G. E., JR.; DERLACKI, E. L., and CLEMIS, J. D. — Perilymph Fistula in Stapes Surgery 836

HART, C. W. — Ocular Fixation and the Caloric Test 2103

HAUSER, I. J., and BROWN, E. M. — Anesthesia for Endoscopic Laryngeal Surgery 744

HEINER, E. R. — Multiple Primary Malignant Tumors of the Larynx. A Case Report 1849

HILDING, D. A.; KORNFELD, M., and HOUSE, W. F. — Circumscribed Labyrinthitis 317

HIMALSTEIN, M. R. — Osteomyelitis of the Maxilla Due to an Anaerobic Organism. Case Report and Management 559

HIRANANDANI, L. H. — Tuberculous Petrositis. A Case Report 1723

HOLINGER, P. H.; SHIPKOWITZ, N. L.; HOLPER, J. C., and WORLAND, M. C. — Evaluation of an Autogenous Laryngeal Papilloma Vaccine 1047

HOLLEMAN, I. L., JR., and HARRILL, J. A. — Cochlear Otosclerosis. Report of a Case with Post Mortem Histologic Findings ..493

HOLPER, J. C.; SHIPKOWITZ, N. L.; WORLAND, M. C., and HOLINGER, P. H. — Evaluation of an Autogenous Laryngeal Papilloma Vaccine 1047

HOLT, G. P., and BERNSTEIN, L. — Correction of Vocal Cord Abduction in Unilateral Recurrent Laryngeal Nerve Paralysis by Transposition of the Sternohyoid Muscle. An Experimental Study in Dogs 876

HOUSE, H. P. — The Fistula Problem in Otosclerosis Surgery ..1410

HOUSE, W. F.; HILDING, D. A., and KORNFELD, M. — Circumscribed Labyrinthitis 317

I

IGARASHI, M. — Dimensional Study of the Vestibular Apparatus ..1806

IINUMA, T. — Evaluation of Adenoine Triphophatase Activity in the Stria Vascularis and Spiral Ligament of Normal Guinea Pigs 141

IINUMA, T.; MIZUKOSHI, O., and DALY, J. F. — Possible Effects of Various Ototoxic Drugs Upon the ATP-Hydrolyzing System in the Stria Vascularis and Spiral Ligament of the Guinea Pig 159

ILLIADES, C. E., and WATSON, F. — Neurilemmoma of the Pharynx ..1

J

JACOBSON, P. — Pathology of Epistaxis 89

JAKO, G. J. — Postaural Versus Endaural Exposure in Tympanoplasty 2022

JAKO, G. J. — The Posterior Route to the Middle Ear Posterior Tympanotomy 306

JARMOLYCH, J.; BASSILIOS, M. I.; RAMM, C., and GOFFIN, F. B. — Cylindroma of the Right Maxilliary Antrum. Case Report 365

JOHNSON, R. L. — Chronic Otitis Media in School Age Navajo Indians 1990

JONES, J. H.; SMYTH, G. D. L., and KERR, A. G. — The Confrontation of Experimental and Clinical Experience in Otologic Surgery 1684

JOO, Y. J., and KINNMAN, J. — Ankylosis of the Temporomandibular Joint. Report of Fifteen Cases 2008

JORDAN, L. W. — The Management of Acute Injuries of the Nasal Septum 1121

K

KASEFF, L. G., and KRAMER, B. M. — The Surgical Correlation of X-ray Findings by Polytomography, with Special Reference to Chronic Otitis 1099

KAWASAKI, M.; TAKENOUCHI, S.; OGURA, J. H., and YAGI, M. — Autogenous Transplantation of the Canine Larynx 1644

KELEMEN, G. — Fetel Hearing Organs in Maternal Multiple Sclerosis 1621

KERR, A. G., and SMYTH, G. D. L. — Congenital Cholesteatoma of the Temporal Bone 86

KERR, A. G., and SMYTH, G. D. L. —Homologous Grafts for Ossicular Reconstruction in Tympanoplasty 330

KERR, A. G., and SMYTH, G. D. L., and JONES, J. H. — The Confrontation of Experimental and Clinical Experience in Otologic Surgery 1684

KINNMAN, J., and JOO, Y. J. — Ankylosis of the Temporomandibular Joint. Report of Fifteen Cases 2008

KIRCHNER, F. R., and ROBISON, J. T. — Modified Osteoplastic Approach to the Frontal Bone, Sinuses, and/or the Orbit 1706

KNIGHT, J. S. — Post-Laryngectomy Care in the Middle Western United States 763

KOCONIS, C. A., and RUGGLES, R. L. — Tympanic Perforations: Safe or Not? 337

KOLSON, H. — The Importance of the Follow-Up Visit in the Treatment of Head and Neck Cancer 16

KORNFELD, M.; HILDING, D. A., and HOUSE, W. F. — Circumscribed Labyrinthitis 317

KRAMER, B. M., and KASEFF, L. G. — The Surgical Correlation of X-ray Findings by Polytomography, with Special Reference to Chronic Otitis 1099

KUHN, A. J. — A Method of Examination of the Larynx Through a Suspension Laryngoscope, Using a Bronchoscopic Telescope ..268

L

LANDES, B. A. — Hyporhinolalia Associated with Eustachian Tube Dysfunction 244

LEONARD, J. R .— Prophylactic Antibiotics in Human Stapedectomy 663

LEONARD, J. R.; CHAMBERS, R. G., and TRAIL, M. L. — Paralaryngeal Cysts 368

LEWIS, J. S., and CAHAN, W. G. — Cryosurgical Management of Glomus Jugulare Tumors 912

LEWIS, M. L., JR. — The Transmeatal Approach to Middle Ear and Mastoid Surgery in Cholesteatoma 550

LEWY, R. B.; SHULMAN, M.; SADOVE,, M., and SOLWAY, J. — Use of 4-Hydroxybutyrate to Facilitate Endoscopy 102

M

MAGUDA, T. A., and BECK, L. D. — Papillary Cystadenoma Lymphomatosum (Warthin's Tumor): A Multicentric Benign Tumor ..1840

MANDEVILLE, A. F., and MCCABE, B. F. — Some Observations on the Cryobiology of Blood Vessels 1328

MAROVITZ, W. F.; BERRYHILL, B. H., and GREGORY, K. M. — Effects of Early Hypophysectomy on the Development of the Otic Capsule and Tympanic Bulla of Rats 1818

MATSCHINSKY, F. M., and THALMAN, R. — Quantitative Histochemistry of the Organ of Corti, Stria Vascularis and Macula Sacculi of the Guinea Pig. I. Sampling Procedures and Analysis of Pyridine Nucleotides. ..292

MIDDLETON, P. — Surgery for Epistaxis 1011

MIGLETS, A. W., JR., and SAUNDERS, W. H. — Experimental Dural Replacement with Split-Thickness Skin 1028

MIJOJEVIC, B., and ALLEN, T. — Secondary Phase Nystagmus: The Caloric Test 187

MIZUKOSHI, O.; IINUMA, T., and DALY, J. F. — Possible Effects of Various Ototoxic Drugs Upon the ATP-Hydrolyzing System in the Stria Vascularis and Spiral Ligament of the Guinea Pig 159

MOORE, W. T., and ARNOLD, G. E. — Rare Tumors of the Ear, Nose, and Throat 599

MCCABE, B. F., and MANDEVILLE, A. F. — Some Observations on the Cryobiology of Blood Vessels 1328

MCDEVITT, T. J.; GOH, A. S., and ACQUARELLI, M. J. — Epistaxis: Management and Prevention ..1109

MCKAY, D. C.; WRIGHT, J. W., JR., and TAYLOR, C. C.—Variations in the Course of the Facial Nerve as Illustrated by Tomography. ..717

MCNEILL, R. A. — Surgical Obliteration of the Maxillary Sinus. A Clinical and Experimental Study 202

N

NAGER, G. T. — Gliomas Involving the Temporal Bone Clinical and Pathological Aspects 454

NAJJAR, M. Y., and GHOSSEIN, N. A. — Hodgkin's Disease of the Nasopharynx. Report of a Case 247

NAUNTON, R. F., and VALVASSORI, G. E. — Diagnostic Correlates in Fenestral Otosclerosis 734

NOBER, E. H. — Vibrotactile Sensitivity of Deaf Children to High Intensity Sound 2128

NOVICK, W. H. — Traumatic Stenosis of the Trachea in Children 1351

O

OGURA, J. H.; TAKENOUCHI, S.; KAWASAKI, M., and YAGI, M. — Autogenous Transplantation of the Canine Larynx 1644

OHASHI, T.; SUZUKI, T., and YOSHIE,, N. — Non-Surgical Recording of Auditory Nerve Action Potentials in Man 76

OLSON, N. R. — Atypical Mycobacterial Infections of the Neck ..1376

OPLER, S. R., and CRACOVANER, A. J. Granular-Cell Myoblastoma of the Larynx 1040

P

PAPARELLA, M. M. — Experimental Tympanoplasty 1755

PAPARELLA, M. M., and SUGIURA, S. — The Pathology of Labyrinthine Ossification 1974

PATTERSON, M. E., and SHEEHY, J. L. — Intact Canal Wall Tympanoplasty with Mastoidectomy. A Review of Eight Years' Experience 1502

POWELL, D. B., JR., and SUEHS, O. W. — Congenital Cyst of the Larynx in Infants 654

PRESTON, W. J.; SUGA, F.; SNOW, J. B., JR., and GLOMSET, J. L., JR. — Tonal Patterns of Cochlear Impairment Following Intense Stimulation with Pure Tones 784

PULEC, J. L. — Abnormally Patent Eustachian Tubes: Treatment with Injection of Polytetrafluoroethylene (Teflon) Paste 1543

R

RAMM, C.; BASSILIOS, M. I.; JARMOLYCH, J., and GOFFIN, F. B. — Cylindroma of the Right Maxilliary Antrum. Case Report 365

RESLER, D. R., and SNOW, J. B., JR. — Cell Free Filtrate Transplantation of Human Laryngeal Papilloma to Dogs 397

RICE, W. J., and WAGGONER, L. G. — Congenital Cerebrospinal Fluid Otorrhea Via A Defect in the Stapes Footplate 341

RIGGS, R. H., and WILSON, J. W., JR. — Relapsing Polychondritis. Report of a Case 534

RITTER, F. N. — The Effects of Hypothyroidism Upon the Ear, Nose and Throat. A Clinical and Experimental Study 1427

ROBISON, J. T., and KIRCHNER, F. R. — Modified Osteoplastic Approach to the Frontal Bone, Sinuses, and/or the Orbit 1706

RUGGLES, R. L., and KOCONIS, C. A. — Tympanic Perforations: Safe or Not? 337

RUHM, H.; WALKER, E., JR., and FLANIGIN, H. — Acoustically-Evoked Potentials in Man: Mediation of Early Components ..806

S

SADOVE, M.; SHULMAN, M.; SOLWAY, J., and LEWY, R. B. — Use of 4-Hydroxybutyrate to Facilitate Endoscopy 102

SAUNDERS, W. H., and MIGLETS, A. W., JR. — Experimental Dural Replacement with Split-Thickness Skin 1028

SCHULTZ, M. C., and STREEPY, C. S. — The Speech Discrimination Function in Loudness Recruiting Ears 2114

SEKULA, J. — The Subtotal Operation in the Treatment of Cancer of the Larynx 1996

SESSIONS, D. G., and DAVIS, G. L. — Silverman Needle Biopsy in the Diagnosis of Head and Neck Lesions 376

SHAMBAUGH, G. E., JR.; HARRISON, W. H.; DERLACKI, E. L., and CLEMIS, J. D. — Perilymph Fistula in Stapes Surgery 836

SHANKS, J. C. — Advantages in the Use of Esophageal Speech by a Laryngectomee 239

SHEEHY, J. L., and PATTERSON, M. E. — Intact Canal Wall Tympanoplasty with Mastoidectomy. A Review of Eight Years' Experience 1502

SHIPKOWITZ, N. L.; HOLPER, J. C.; WORLAND, M. C., and HOLINGER, P. H. — Evaluation of an Autogenous Laryngeal Papilloma Vaccine 1047

SHULMAN, M.; SADOVE, M.; SOLWAY, J., and LEWY, R. B. — Use of 4-Hydroxybutyrate to Facilitate Endoscopy 102

SHUMRICK, D. A. — Inter-Specialty Cooperation in the Stabilization of Cervical Spine Fracture/Dislocation 8

SHUMRICK, D. A. — The Addition of a Metallic Marker to a Laryngogram to Determine Subglottic Extension in Cancer of the Larynx 417

SIEKERT, R. G.; FULLER, A. M.; BROWN, H. A., and HARRISON, E. G., JR. — Chemodectomas of the Glomus Jugulare Tumors ..218

SIMMONS, F. B. — Permanent Intracochlear Electrodes in Cats, Tissue Tolerance and Cochlear Microphonics 171

SIMONTON, K. M.; CODY, D. R. T., and HALLBERG, O. E. — Automatic Repetitive Decompression of the Saccule in Endolymphatic Hydrops (Tack Operation). Preliminary Report 1480

SINGLETON, G. T. — Relationships of the Cerebellar Nodulus to Vestibular Function: A Study of the Effects of Nodulectomy on Habituation 1579

SKOLNIK, E. M.; TENTA, L. T.; WINEINGER, D. M., and TARDY, M. E., JR. — Preservation of XI Cranial Nerve in Neck Dissections 1304

SMYTH, G. D. L., and KERR, A. G. — Congenital Cholesteatoma of the Temporal Bone 86

SMYTH, G. D. L., and KERR, A. G. —Homologous Grafts for Ossicular Reconstruction in Tympanoplasty 330

SMYTH, G. D. L.; KERR, A. G., and JONES, J. H. — The Confrontation of Experimental and Clinical Experience in Otologic Surgery 1684

SNELL, D., and BRIANT, T. D. R. — Diagnosis of Cerebro-Spinal Rhinorrhea and the Rhinologic Approach to Its Repair 1390

SNOW, J. B., JR., and RESLER, D. R. — Cell Free Filtrate Transplantation of Human Laryngeal Papilloma to Dogs 397

SNOW, J. B., JR.; SUGA, F.; PRESTON, W. J., and GLOMSET, J. L., JR. — Tonal Patterns of Cochlear Impairment Following Intense Stimulation with Pure Tones 784

SOLWAY, J.; SHULMAN, M.; SADOVE, *M.*, and LEWY, R. B. — Use of 4-Hydroxybutyrate to Facilitate Endoscopy 102

SPENCER, J. T. — Cancer of the Larynx. End Results Report of 106 Cases Using the Clinical Staging System 962

STAHLE, J., and BERGMAN, B. — The Caloric Reaction in Ménière's Disease. An Electronystagmographical Study in 300 Patients 1629

STEMMER, A. L. — Dental Otalgia 1155

STERN, R. — Sarcoma Metastatic to the Tonsil. Case Report 372

STRAND, S. O. — Surgical Records for Otorhinolaryngology — A Diagrammatic Approach 1130

STREEPY, C. S., and SCHULTZ, M. C. — The Speech Discrimination Function in Loudness Recruiting Ears 2114

STROUD, M. H. — The Otologist and the Midline Cerebellar Syndrome 1795

STUDEBAKER, G. A. — The Standardization of Bone-Conduction Thresholds 823

SUEHS, O. W., and POWELL, D. B., JR. — Congenital Cyst of the Larynx in Infants 654

SUGA, F.; SNOW, J. B., JR.; PRESTON, W. J., and GLOMSET, J. L., JR. — Tonal Patterns of Cochlear Impairment Following Intense Stimulation with Pure Tones 784

SUGIURA, S., and PAPARELLA, M. M. — The Pathology of Labyrinthine Ossification 1974

SUZUKI, T.; YOSHIE, N., and OHASHI, T. — Non-Surgical Recording of Auditory Nerve Action Potentials in Man 76

SWISHER, L. P., and DAYAL, V. S. — Pure Tone Thresholds in Multiple Sclerosis. A Further Study 2169

T

TAKENOUCHI, S.; OGURA, J. H.; KAWASAKI, M., and YAGI, M. — Autogenous Transplantation of the Canine Larynx 1644

TARDY, M. E., JR.; SKOLNIK, E. M.; TENTA, L. T., and WINEINGER, D. M. — Preservation of XI Cranial Nerve in Neck Dissections 1304

TAYLOR, C. C.; WRIGHT, J. W., JR., and MCKAY, D. C. — Variations in the Course of the Facial Nerve as Illustrated by Tomography. 717

TENTA, L. T.; SKOLNIK, E. M.; WINEINGER, D. M., and TARDY, M. E., JR. — Preservation of XI Cranial Nerve in Neck Dissections 1304

THALMANN, R., and COSTA, O. A. — Arterial Perfusion of the Inner Ear. Evaluation of Different Perfusion Media 850

THALMANN, R., and MATSCHINSKY, F. M. — Quantitative Histochemistry of the Organ of Corti, Stria Vascularis and Macula Sacculi of the Guinea Pig. I. Sampling Procedures and Analysis of Pyridine Nucleotides. ..292

TOOMEY, J. M. — Adenocarcinoma of the Larynx 931

TOOMEY, J. M., and BROWN, B. S. — The Histological Response to Intracordal Injection of Teflon Paste 110

TRAIL, M. L.; LEONARD, J. R., and CHAMBERS, R. G. — Paralaryngeal Cysts 368

TRIBLE, W. M. — The Rehabilitation of Deglutition Following Head and Neck Surgery 518

TUCKER, J. A. — A New Instrument for Mediastinoscopy 2050

TURNER, J. L. — Myringostomy by Use of a Fixed Prothesis 524

V

VALENZELA, C. — Treatment of Traumatic Disease of the Frontal Sinus by Adipose Implant Obliteration 1695

VALERGAKIS, F. E. G. — Radio-Isotope Brain Scanning in Otological Practice 2178

VALVASSORI, G. E., and NAUNTON, R. F. — Diagnostic Correlates in Fenestral Otosclerosis 734

VERNON, M. — Meningitis and Deafness: The Problem, Its Physical, Audiological, Psychological, and Educational Manifestations in Deaf Children ..1856

W

WAGGONER, L. G., and RICE, W. J. — Congenital Cerebrospinal Fluid Otorrhea Via A Defect in the Stapes Footplate 341

WALKER, E. A. — Cerebral Atrophy: A Cause of Vertigo 771

WALKER, E., JR.; RHUM, H., and FLANIGIN, H. — Acoustically-Evoked Potentials in Man: Mediation of Early Components ..806

WANG, C. C. — Radical Re-Irradiation for Carcinoma Arising from the Previously Irradiated Larynx 2189

WARPEHA, R. L.; ANSON, B. J.; DONALDSON, J. A., and WINCH, T. R. — The Surgical Anatomy of the Ossicular Muscles and the Facial Nerve 1269

WATSON, F., and ILLIADES, C. E. — Neurilemmoma of the Pharynx ..1

WEILLE, F. L. — Microcirculation and Fluid Physiology of the Inner Ear Correlated with Ménière's Disease 2063

WEVER, E. G. — Tonal Differentiation in the Lizard Ear 1962

WIBERG, A.; DIAMANT, H., and ENFORS, B. — Facial Spasm. With Special Reference to the Chorda Tympani Function and Operative Treatment 350

WILLIAMS, R. I. — Hemitransfixion Approach to Problems of the Nasal Septum 1116

WILSON, J. W., JR., and RIGGS, R. H. — Relapsing Polychondritis. Report of a Case 534

WILSON, W. H. — Episodic Vertigo in Vascular Dysfunction of the Vestibular Labyrinth 1089

WINCH, T. R.; ANSON, B. J.; DONALDSON, J. A., and WARPEHA, R. L. — The Surgical Anatomy of the Ossicular Muscles and the Facial Nerve 1269

WINEINGER, D. M.; SKOLNIK, E. M.; TENTA, L. T., and TARDY, M. E., JR. — Preservations of XI Cranial Nerve in Neck Dissections 1304

WORK, W. P., and GATES, G. A. — Radioisotope Scanning of the Salivary Glands. A Preliminary Report 861

WORLAND, M. C.; SHIPKOWITZ, N. L.; HOLFER, J. C., and HOLINGER, P. H. — Evaluation of an Autogenous Laryngeal Papilloma Vaccine 1047

WRIGHT, G., and BARBER, H. O. — Release of Nystagmus Suppression in Clinical Electronystagmography 1016

WRIGHT, J. W., JR.; TAYLOR, C. C., and MCKAY, D. C — Variations in the Course of the Facial Nerve as Illustrated by Tomography. 717

WRIGHT, W. K. — Study of Hump Removal in Rhinoplasty 508

Y

YAGI, M.; TAKENOUCHI, C.; OGURA, J. H., and KAWASAKI, M. — Autogenous Transplantation of the Canine Larynx 1644

YANOF, H. M., and HARKINS, W. B. — Current Exploratory Work on Pressure Measurements in the Inner Ear 701

YOSHIE, N.; OHASHI, T., and SUZUKI, T. — Non-Surgical Recording of Auditory Nerve Action Potentials in Man 76